

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	0	(device adj device) near copy\$3	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 13:45
S4	31	(device adj device) near copy\$3	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 13:46
S3	0	(device adj to adj device) near copy\$3	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 13:49
S5	0	(device adj to adj device) near copy\$3	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 13:56
S6	13	("4400778" "5649152" "5819292" "5835953" "5913028" "6038639" "6073222" "6078932" "6085298" "6128306" "6205479" "6212531" "6256739").pn.	US_PGPUB; USPAT	OR	OFF	2005/04/29 13:57
S7	1439	network adj attached adj storage	US_PGPUB; USPAT	OR	OFF	2005/04/29 15:54
S8	18	(network adj attached adj storage) and (copy \$3 with direct\$2 with device\$1)	US_PGPUB; USPAT	OR	OFF	2005/04/29 16:00
S9	1806	(copy\$3 with direct\$2 with device\$1)	US_PGPUB; USPAT	OR	OFF	2005/04/29 16:02
S10	202	(copy\$3 near3 direct\$2 near2 device\$1)	US_PGPUB; USPAT	OR	OFF	2005/04/29 16:03
S11	15	((data or file\$1) with (copy\$3 near3 direct\$2 near2 device\$1))	US_PGPUB; USPAT	OR	OFF	2005/04/29 16:29
S12	4243	707/201-204.ccls. or 711/161-162.ccls.	US_PGPUB; USPAT	OR	OFF	2005/04/29 16:30

S13	495	(707/201-204.ccls. or 711/161-162.ccls.) and snapshot	US-PGPUB; USPAT	OR	OFF	2005/05/02 14:51
S15	71	(storage adj area adj network\$1) with advantag\$6	US-PGPUB; USPAT	OR	OFF	2005/05/02 14:57
S14	70	(707/201-204.ccls. or 711/161-162.ccls.) and snapshot and (storage adj area adj network\$1)	US-PGPUB; USPAT	OR	OFF	2005/05/02 14:57
S1	2	mercier.in. and fuller.in.	US-PGPUB; USPAT	OR	OFF	2005/11/21 17:31
S16	33797	device adj (controller\$1 or driver\$1)	US-PGPUB; USPAT	OR	OFF	2005/11/21 17:32
S18	38	(device adj (controller \$1 or driver\$1)) with (copy or copying or copie\$1 or replicat\$3 or mov\$3) with directly	US-PGPUB; USPAT	OR	OFF	2005/11/21 17:34
S17	1557	(device adj (controller \$1 or driver\$1)) with (copy or copying or copie\$1 or replicat\$3 or mov\$3)	US-PGPUB; USPAT	OR	OFF	2005/11/21 17:34
S20	22	(snapshot adj range)	US-PGPUB; USPAT	OR	OFF	2008/08/26 11:06
S19	0	(US "6038639" A US "6205479" B1 US "6256739" B1 US "5819292" A US "4400778" A US "6078932" A US "5913028" A US "6085298" A US "6128306" A US "6421723" B1 US "5867733" A US "6523102" B1 US "5649152" A US "6073222" A US "5835953" A US "6212531" B1 ).pn. and (snapshot adj range)	US-PGPUB; USPAT	OR	OFF	2008/08/26 11:06
S21	0	(snapshot adj range) near3 determin\$5	US-PGPUB; USPAT	OR	OFF	2008/08/26 11:07
S23	119	("5649152").URPN.	USPAT	OR	OFF	2008/08/26 11:13
S22	0	(snapshot near range) near3 determin\$5	US-PGPUB; USPAT	OR	OFF	2008/08/26 11:13

S25	9	("5649152").URPN. and (determin\$5 near3 within)	USPAT	OR	OFF	2008/08/26 11:14
S24	112	("5649152").URPN. and (determin\$5)	USPAT	OR	OFF	2008/08/26 11:14
S26	153	("3054560"   "3303474"   "3444528"   "3533082"   "3544477"   "3557315"   "3602900"   "3623014"   "3636331"   "3665173"   "3681578"   "3725861"   "3735356"   "3754211"   "3760364"   "3761884"   "3771137"   "3803568"   "3810119"   "3810121"   "3812469"   "3820085"   "3824547"   "3828321"   "3864670"   "3865999"   "3889237"   "3959638"   "4012717"   "4051461"   "4073005"   "4076961"   "4099241"   "4118772"   "4141066"   "4152764"   "4156901"   "4159517"   "4164017"   "4191996"   "4208715"   "4228503"   "4257009"   "4270167"   "4282572"   "4318173"   "4332027"   "4351023"   "4358823"   "4359718"   "4371754"   "4378588"   "4380047"   "4380067"   "4402046"   "4403286"   "4403303"   "4423414"   "4428044"   "4430699"   "4434487"   "4439859"   "4445214"   "4453215"   "4455601"   "4455645"   "4459658"   "4471429"   "4477882"   "4477895"   "4479214"   "4480304"   "4483001"   "4484275"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 11:22

	"4486826"     "4498145"   "4507751"   "4516121"     "4521847"   "4530051"   "4530052"     "4562535"   "4581701"   "4583089"     "4589090"   "4590554"   "4604690"     "4607365"   "4608688"   "4610013"     "4615001"   "4623883"   "4628508"     "4630224"   "4639852"   "4639856"     "4644470"   "4646300"   "4648031"     "4648061"   "4652940"   "4654819"     "4654846"   "4654857"   "4656596"     "4674038"   "4680581"   "4691314"     "4703421"   "4703481"   "4713811"     "4727516"   "4736339"   "4740969"     "4750177"   "4754397"   "4800488"     "4823256"   "4866707"   "4878167"     "4941087"   "4953122"   "4959768"     "4959774"   "4979108"). PN. OR ("5005122"     "5038278"   "5060185"   "5079740"     "5086502"   "5123099"   "5157663"     "5235700"   "5276867"   "5295258"     "5307481"   "5343477"   "5403639"     "5410667"   "5426747"   "5435004"     "5455932"   "5513314"   "5515502"     "5530855"   "5537533"   "5537585"     "5544347").PN.		
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S27	130	("3054560"   "3303474"   "3444528"   "3533082"   "3544477"   "3557315"   "3602900"   "3623014"   "3636331"   "3665173"   "3681578"   "3725861"   "3735356"   "3754211"   "3760364"   "3761884"   "3771137"   "3803568"   "3810119"   "3810121"   "3812469"   "3820085"   "3824547"   "3828321"   "3864670"   "3865999"   "3889237"   "3959638"   "4012717"   "4051461"   "4073005"   "4076961"   "4099241"   "4118772"   "4141066"   "4152764"   "4156901"   "4159517"   "4164017"   "4191996"   "4208715"   "4228503"   "4257009"   "4270167"   "4282572"   "4318173"   "4332027"   "4351023"   "4358823"   "4359718"   "4371754"   "4378588"   "4380047"   "4380067"   "4402046"   "4403286"   "4403303"   "4423414"   "4428044"   "4430699"   "4434487"   "4439859"   "4445214"   "4453215"   "4455601"   "4455645"   "4459658"   "4471429"   "4477882"   "4477895"   "4479214"   "4480304"   "4483001"   "4484275"   "4486826"   "4498145"   "4507751"   "4516121"   "4521847"   "4530051"   "4530052"   "4562535"   "4581701"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 11:23
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| "4583089" |  
| "4589090" | "4590554"  
| "4604690" |  
| "4607365" | "4608688"  
| "4610013" |  
| "4615001" | "4623883"  
| "4628508" |  
| "4630224" | "4639852"  
| "4639856" |  
| "4644470" | "4646300"  
| "4648031" |  
| "4648061" | "4652940"  
| "4654819" |  
| "4654846" | "4654857"  
| "4656596" |  
| "4674038" | "4680581"  
| "4691314" |  
| "4703421" | "4703481"  
| "4713811" |  
| "4727516" | "4736339"  
| "4740969" |  
| "4750177" | "4754397"  
| "4800488" |  
| "4823256" | "4866707"  
| "4878167" |  
| "4941087" | "4953122"  
| "4959768" |  
| "4959774" | "4979108").  
PN. OR ("5005122" |  
"5038278" | "5060185"  
| "5079740" |  
| "5086502" | "5123099"  
| "5157663" |  
| "5235700" | "5276867"  
| "5295258" |  
| "5307481" | "5343477"  
| "5403639" |  
| "5410667" | "5426747"  
| "5435004" |  
| "5455932" | "5513314"  
| "5515502" |  
| "5530855" | "5537533"  
| "5537585" |  
| "5544347").PN. and  
(determin\$5 near3  
within)

S28	7	(( "3054560"   "3303474"   "3444528"   "3533082"   "3544477"   "3557315"   "3602900"   "3623014"   "3636331"   "3665173"   "3681578"   "3725861"   "3735356"   "3754211"   "3760364"   "3761884"   "3771137"   "3803568"   "3810119"   "3810121"   "3812469"   "3820085"   "3824547"   "3828321"   "3864670"   "3865999"   "3889237"   "3959638"   "4012717"   "4051461"   "4073005"   "4076961"   "4099241"   "4118772"   "4141066"   "4152764"   "4156901"   "4159517"   "4164017"   "4191996"   "4208715"   "4228503"   "4257009"   "4270167"   "4282572"   "4318173"   "4332027"   "4351023"   "4358823"   "4359718"   "4371754"   "4378588"   "4380047"   "4380067"   "4402046"   "4403286"   "4403303"   "4423414"   "4428044"   "4430699"   "4434487"   "4439859"   "4445214"   "4453215"   "4455601"   "4455645"   "4459658"   "4471429"   "4477882"   "4477895"   "4479214"   "4480304"   "4483001"   "4484275"   "4486826"   "4498145"   "4507751"   "4516121"   "4521847"   "4530051"   "4530052"   "4562535"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 11:24
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		"4581701"   "4583089"   "4589090"   "4590554"   "4604690"   "4607365"   "4608688"   "4610013"   "4615001"   "4623883"   "4628508"   "4630224"   "4639852"   "4639856"   "4644470"   "4646300"   "4648031"   "4648061"   "4652940"   "4654819"   "4654846"   "4654857"   "4656596"   "4674038"   "4680581"   "4691314"   "4703421"   "4703481"   "4713811"   "4727516"   "4736339"   "4740969"   "4750177"   "4754397"   "4800488"   "4823256"   "4866707"   "4878167"   "4941087"   "4953122"   "4959768"   "4959774"   "4979108").PN. OR ("5005122"   "5038278"   "5060185"   "5079740"   "5086502"   "5123099"   "5157663"   "5235700"   "5276867"   "5295258"   "5307481"   "5343477"   "5403639"   "5410667"   "5426747"   "5435004"   "5455932"   "5513314"   "5515502"   "5530855"   "5537533"   "5537585"   "5544347"). PN.) and (determin\$5 near3 within)				
S30	2600	(block\$1 near2 (move or copy or moving or copying)) same (write or writing)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:20
S29	46810	(block\$1 near2 (move or copy or moving or copying))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:20

S31	31	(block\$1 near2 (move or copy or moving or copying)) same ((write or writing) near2 within)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:21
S32	5760	(block\$1 near2 (move or copy or moving or copying)) and consisten \$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:28
S34	42	(block\$1 near2 (move or copy or moving or copying)) and (consisten \$2 with (write\$1 or writing) with within)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:29
S33	488	(block\$1 near2 (move or copy or moving or copying)) and (consisten \$2 with (write\$1 or writing))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:29
S36	21	(snapshot) same (consisten\$2 with (write \$1 or writing) with within)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:32
S35	46	(snapshot) and (consisten\$2 with (write \$1 or writing) with within)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:32
S37	21	(snapshot) same (consisten\$2 with (write \$1 or writing) with within)	US-PGPUB; USPAT	OR	OFF	2008/08/26 12:33
S39	9	(block\$1 near2 (move or copy or moving or copying)) and (consisten \$2 with (detect\$3) near3 (writ\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:35
S38	183	(block\$1 near2 (move or copy or moving or copying)) and (consisten \$2 with (detect\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:35
S40	8	(block\$1 near2 (move or copy or moving or copying)) and ((detect \$3) near3 (writ\$3) near3 within)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:37
S41	1532	(snapshot near2 creat \$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:50

S43	68	(snapshot near2 creat \$3) same (consisten\$3 with (updat\$3 or chang \$3 or modif\$6 or writ \$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:51
S42	151	(snapshot near2 creat \$3) same (consisten\$3 same (updat\$3 or chang \$3 or modif\$6 or writ \$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:51
S44	28	(snapshot near2 creat \$3) with (consisten\$3 with (updat\$3 or chang \$3 or modif\$6 or writ \$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 12:52
S45	12	((backup or archive) near2 creat\$3) with (consisten\$3 with (updat\$3 or chang\$3 or modif\$6 or writ\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 13:52
S48	554	cache near3 FIFO	USPAT	OR	OFF	2008/08/27 09:05
S47	787	cache near5 FIFO	USPAT	OR	OFF	2008/08/27 09:05
S46	1465	cache with FIFO	USPAT	OR	OFF	2008/08/27 09:05
S49	6	(cache near3 FIFO).ti.	USPAT	OR	OFF	2008/08/27 09:07
S51	9	(cache near3 FIFO) with wait\$3	USPAT	OR	OFF	2008/08/27 09:20
S50	1	(cache near3 FIFO) with busy	USPAT	OR	OFF	2008/08/27 09:20
S53	36	(copy\$3 near2 concurrent\$2) same snapshot	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2009/04/08 10:52
S52	558	(copy\$3 near2 concurrent\$2)	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2009/04/08 10:52
S54	22	out adj band adj protocol	US-PGPUB; USPAT	OR	OFF	2009/04/09 11:12
S55	1	"6970942".pn.	US-PGPUB; USPAT	OR	OFF	2009/04/09 11:28
S56	1	"6,205,479".pn.	US-PGPUB; USPAT	OR	OFF	2009/04/09 11:31
S58	51	ftp with replication	US-PGPUB; USPAT	OR	OFF	2009/04/09 11:32
S57	155	ftp same replication	US-PGPUB; USPAT	OR	OFF	2009/04/09 11:32

S60	1	"6510481".pn.	US-PGPUB; USPAT	OR	OFF	2009/04/09 12:22
S59	6	"6510481"	US-PGPUB; USPAT	OR	OFF	2009/04/09 12:22
S61	17224	"out-of-band"	US-PGPUB; USPAT	OR	OFF	2009/04/09 12:23
S62	950	"out-of-band" adj (protocol or communication)	US-PGPUB; USPAT	OR	OFF	2009/04/09 12:24
S63	159	("out-of-band" adj (protocol or communication)) and replicat\$4	US-PGPUB; USPAT	OR	OFF	2009/04/09 12:33
L2	17	(US "6038639" A US "6205479" B1 US "6256739" B1 US "5819292" A US "4400778" A US "6078932" A US "5913028" A US "6085298" A US "6128306" A US "6421723" B1 US "5867733" A US "6523102" B1 US "5649152" A US "6073222" A US "5835953" A US "6212531" B1 US "5953729" A US "5241631" A US "20070260830" A1 US "20050204108" A1 US "20040098547" A1 US "20030061456" A1 US "7107395" B1 US "6920537" B2 US "6487561" B1 US "6397308" B1 US "6385706" B1 US "5577069" A US "5867650" A US "6417943" B1 ).pn. and ((copy\$3 or copie\$1) near2 snapshot)	US-PGPUB; USPAT	OR	OFF	2010/01/15 13:36
L1	1776	((copy\$3 or copie\$1) near2 snapshot)	US-PGPUB; USPAT	OR	OFF	2010/01/15 13:36
L4	93	(((copy\$3 or copie\$1) near2 snapshot) with (copy adj operation\$1))	US-PGPUB; USPAT	OR	OFF	2010/01/15 13:45

L3	93	((copy\$3 or copie\$1) near2 snapshot) with copy adj operation\$1)	US-PGPUB; USPAT	OR	OFF	2010/01/15 13:45
L5	46	((copy\$3 or copie\$1) near2 snapshot) with (write adj request\$2))	US-PGPUB; USPAT	OR	OFF	2010/01/15 13:54

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	4809	707/201,202,204.ccls.	USPAT; UPAD	OR	OFF	2010/01/15 15:13
L7	276	707/201,202,204.ccls. and (snapshot).clm.	USPAT; UPAD	OR	OFF	2010/01/15 15:14
L10	101	707/201,202,204.ccls. and (copy\$3 near3 snapshot).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/15 15:25
L9	213	707/201,202,204.ccls. and (copy\$3 and snapshot).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/15 15:25
L8	140	707/201,202,204.ccls. and (copy\$3 and snapshot).clm.	USPAT; UPAD	OR	OFF	2010/01/15 15:25

1/15/10 3:35:38 PM

C:\Documents and Settings\LWassum\My Documents\EAST\Workspaces\10\_800109.wsp